



CDF Operations Report

Guram Chlachidze
JINR/FNAL

All Experimenter's Meeting
February 6, 2006

Many thanks to the Tevatron team and other involved people for the successful low luminosity store

- Collected data are already processed
- Preparation of ntuples now in progress
- We expect first results soon

Detector News

- Silicon Vertex Detector (SVX)
 - D-Mode calibration and Silicon Bias Scan (with beam) are done
- Run IIb Stereo track trigger upgrade
 - Debugging different modules and software for the firmware downloading, testing trigger table with the stereo track information incorporated
- Level 3 upgrade
 - 280 new rack-mounted PC nodes are installed, 250 will be added to the Level 3 PC farm
 - Burn-in started last week, will last about 1 month
- Silicon Vertex Trigger
 - 3 modified Hit Buffers (HB++) are installed and tested for the SVT upgrade

Detector News & Access Report

- Interaction Point (IP) was adjusted at the end of store 4621, track patterns were generated for the new beam-line position and loaded in the Silicon Vertex Trigger.

Controlled Access on Monday, January 30

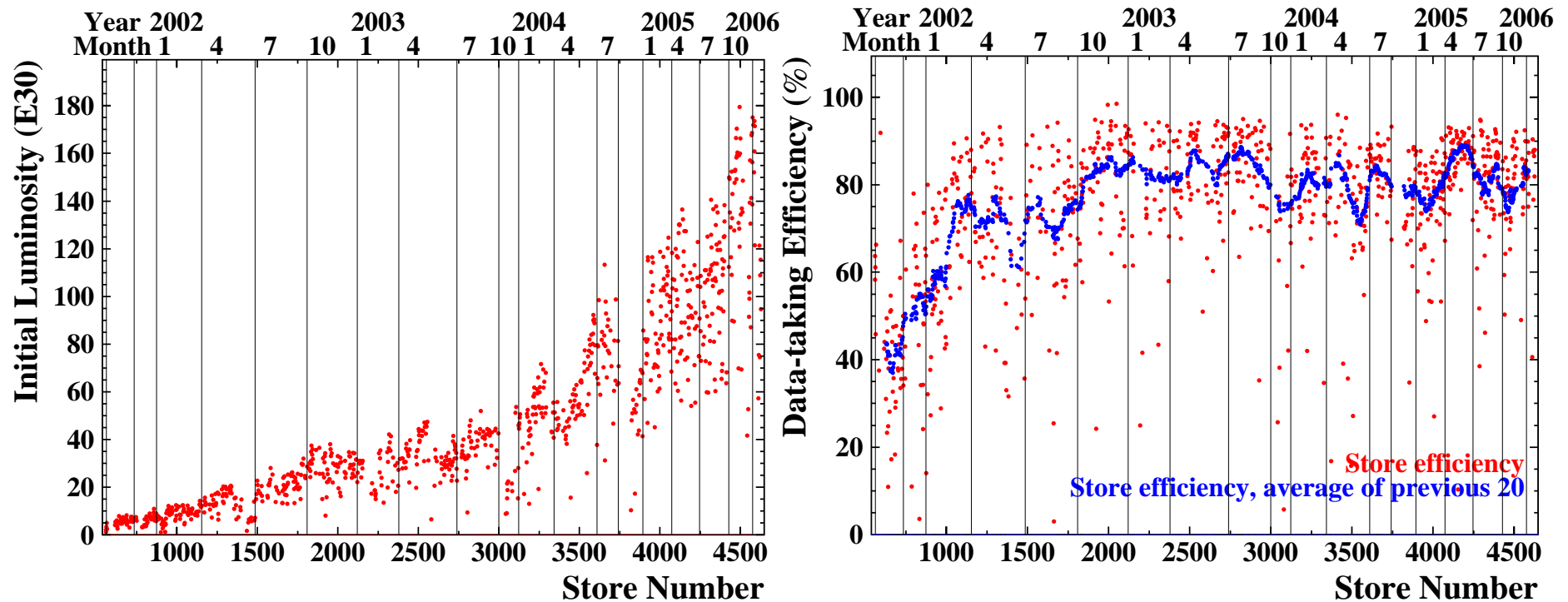
- Muon Detector
 - Amplifier-Shaper Discriminator (ASD) module was replaced in the Central Muon Extension (CMX) chambers
- Silicon Detectors
 - One ladder was checked in the Intermediate Silicon Layers

Detector in excellent condition – no major repair is needed for today.

CDF Store Summary (Jan. 30 – Feb. 6, 2006)

Store	Start Date	Time [hrs]	Uptime [hrs]	Ini. lum [E30]	Tot. Del. Lumin. [pb ⁻¹]	Live Lumin. [pb ⁻¹]	Comments
4616 Normal	01/30 Mon-Wed	30.8	28.0	0.7	0.06	0.05 83.3 %	Low lum. data, electron lens (TEL) trip
4618 Abort	02/01 Wed	12.4	10.5	121.3	2.9	2.2 76.6 %	36x32 store, Trigger table tests
4621 Normal	02/02 Thu-Fri	19.6	18.7	74.5	2.3	2.0 87.0 %	IP adjustment
4623 Normal	02/03 Fri-Sat	26.8	24.1	108.9	4.0	3.4 86.6 %	TEL trip, Silicon Detector Calibration
4624 Abort	02/04 Sat	1.0	0.9	115.4	0.4	0.3 81.8 %	
4627 Normal	02/05 Sun-Mon	23.6	22.5	94.6	2.7	2.4 88.0 %	
4628				Store in progress			
Total	01/30 - 02/06	114.2	104.7 91.7 %		12.4	10.4 84 %	

Initial Luminosity & Data-taking Efficiency



Run II Integrated Luminosity

